

NexTherm is the new option for improved eps insulating performance.
The properties of MT55L, NexKemia's premier grade of Graphite EPS (GPS), are as follows:

ASTM C578		MT55L Graphite Polystyrene			
Property*	Unit	Type I	Type VIII	Type II	Type IX
Density	pcf, minimum	0.9	1.15	1.35	1.8
Thermal Resistance (R-Value)**	ft ² ·h·°F/Btu at 75°F	5.0	5.0	5.0	5.0
Compressive Resistance 10% Deformation	psi, minimum	10	14	15	25
Flexural Strength	psi, minimum	25	32	39	50
Water Vapor Permeance	perm-in, max	4.0	3.0	3.0	2.5
Water Absorption By Total Immersion	% by Volume Max	1.2	1.2	1.2	1.0
ASTM E84/UL723					
Flame Spread	Index	0			
Smoke Development	Index	15			

*NexTherm MT Series meets ASTM C578 « Standard Specification for Rigid, Cellular Polystyrene Thermal Insulation ». UL listing R26178.

The data provided are typical results. Final properties may vary depending upon expansion and molding parameters.

**R-Value properties are based upon 1-1/16" thickness. 1" equates to R-Value = 4.7.